AMENDMENTS TO THE CLAIMS

Please cancel claims 1-26 without prejudice or disclaimer of the subject matter set forth therein.

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of claims:

1-26. (Canceled)

27. (New) An isolated polypeptide comprising a polypeptide having an amino acid sequence of SEQ ID NO: 4, 6, 8 or 10, or having an amino acid sequence that is at least 70% identical to an amino acid sequence of SEQ ID NO: 4, 6, 8 or 10, wherein said polypeptide exhibits reactivity of from 5 to 52.5% with antisera obtained from subjects that have been infected by a Mycobacterium species and wherein said polypeptide exhibits a reactivity of 0% with sera obtained from subjects that have not been previously infected by a Mycobacterium species.

- 28. (New) An isolated polypeptide comprising a polypeptide having an amino acid sequence of SEO ID NO: 13, 15, 17, 19 or 21, wherein said polypeptide exhibits reactivity of from 5 to 52.5% with antisera obtained from subjects that have been infected by a Mycobacterium species and wherein said polypeptide exhibits a reactivity of 0% with sera obtained from subjects that have not been previously infected by a Mycobacterium species.
- 29. (New) An isolated polypeptide comprising a polypeptide having an amino acid sequence of SEQ ID NO:2, or having an amino acid sequence that is at least 70% identical to an amino acid sequence of SEQ ID NO: 2, wherein said polypeptide exhibits reactivity of from 35 to 55% with antisera obtained from subjects that have been infected by a Mycobacterium species and wherein said polypeptide exhibits a reactivity of 5 to 25% with sera obtained from subjects that have not been previously infected by a Mycobacterium species.
- 30. (New) An isolated polypeptide comprising a polypeptide having an amino acid sequence of SEQ ID NO: 11, wherein said polypeptide exhibits reactivity of from 35 to 55% with antisera obtained from subjects that have been infected by a Mycobacterium

species and wherein said polypeptide exhibits a reactivity of 5 to 25% with sera obtained from subjects that have not been previously infected by a *Mycobacterium* species.

- 31. (New) A composition comprising at least two polypeptides having an amino acid sequence of SEQ ID NO: 4, 6, 8 or 10, or having an amino acid sequence that is at least 70% identical to an amino acid sequence of SEQ ID NO: 4, 6, 8 or 10, wherein said composition exhibits reactivity of more than 90% with antisera obtained from subjects that have been infected by a Mycobacterium species.
- 32. (New) A composition comprising at least two polypeptides comprising an amino acid sequence of SEQ ID NO: 13, 15, 17, 19 or 21, wherein said composition exhibits reactivity of at least 60% with antisera obtained from subjects that have been infected by a Mycobacterium species and wherein said composition exhibits a reactivity of 0 to 5% with sera obtained from subjects that have not been previously infected by a Mycobacterium species.
- 33. (New) The isolated polypeptide of claim 27 that has an amino acid sequence of SEQ ID NO: 4, 6, 8 or 10.

- 34. (New) The isolated polypeptide of claim 28 that has an amino acid sequence of SEQ ID NO: 13, 15, 17, 19 or 21.
- 35. (New) The isolated polypeptide of claim 29 that has an amino acid sequence of SEQ ID NO: 11.
- 36. (New) The isolated polypeptide of claim 30 that has an amino acid sequence of SEQ ID NO: 2.
- 37. (New) The composition of claim 32, wherein said polypeptides consist essentially of the amino acid sequence of SEQ ID NO: 13, 15, 17, 19 or 21.
- 38. (New) The composition of claim 31, that comprises polypeptides having the amino acid sequence of SEQ ID NO: 4, 6, 8 and 10, or sequences that are 70% identical thereto.
- 39. (New) The composition of claim 31, that comprises polypeptides having the amino acid sequence of SEQ ID NO: 4, 6, 8 and 10.

- 40. (New) The isolated polypeptide of claim 27, that is isolated from a Mycobacterium selected from the group consisting of Mycobacterium tuberculosis, Mycobacterium avium, Mycobacterium Mycobacterium leprae, Mycobacterium lepraemurium, Mycobacterium paratuberculosis, Mycobacterium ulcerans, Mycobacterium marinum, Mycobacterium smegmatis, Mycobacterium intracellulare, Mycobacterium xenopi, Mycobacterium chelonei, Mycobacterium fortuitum, Mycobacterium farcinogenes, Mycobacterium Mycobacterium haemophitum, Mycobacterium kansasii, flavum, Mycobacterium phlei, Mycobacterium scrofulaceum, Mycobacterium senegalense, Mycobacterium simiae, Mycobacterium thermoresistible, and Mycobacterium xenopi.
- 41. (New) The isolated polypeptide of claim 28, that is isolated from a Mycobacterium selected from the group consisting of the Mycobacterium tuberculosis, Mycobacterium avium, Mycobacterium microti, Mycobacterium leprae, Mycobacterium lepraemurium, Mycobacterium paratuberculosis, Mycobacterium ulcerans, Mycobacterium marinum, Mycobacterium smegmatis, Mycobacterium intracellulare, Mycobacterium xenopi, Mycobacterium chelonei, Mycobacterium fortuitum, Mycobacterium farcinogenes, Mycobacterium flavum, Mycobacterium haemophitum, Mycobacterium kansasii,

Mycobacterium phlei, Mycobacterium scrofulaceum, Mycobacterium senegalense, Mycobacterium simiae, Mycobacterium thermoresistible, and Mycobacterium xenopi.

- 42. (New) The composition of claim 31, wherein said polypeptides are isolated from at least one Mycobacterium wherein the species of Mycobacterium selected from Mycobacterium tuberculosis, Mycobacterium avium, Mycobacterium Mycobacterium leprae, Mycobacterium lepraemurium, Mycobacterium paratuberculosis, Mycobacterium ulcerans, Mycobacterium marinum, Mycobacterium smegmatis, Mycobacterium intracellulare, Mycobacterium xenopi, Mycobacterium chelonei, Mycobacterium fortuitum, Mycobacterium farcinogenes, Mycobacterium flavum, Mycobacterium haemophitum, Mycobacterium kansasii, Mycobacterium phlei, Mycobacterium scrofulaceum, Mycobacterium senegalense, simiae, Mycobacterium thermoresistible, Mycobacterium Mycobacterium xenopi.
- 43. (New) The composition of claim 32, wherein said polypeptides are isolated from at least one Mycobacterium selected from the group consisting of Mycobacterium tuberculosis, Mycobacterium avium, Mycobacterium microti, Mycobacterium leprae, Mycobacterium lepraemurium, Mycobacterium paratuberculosis,

Mycobacterium ulcerans, Mycobacterium marinum, Mycobacterium smegmatis, Mycobacterium intracellulare, Mycobacterium xenopi, Mycobacterium chelonei, Mycobacterium fortuitum, Mycobacterium farcinogenes, Mycobacterium flavum, Mycobacterium haemophitum, Mycobacterium kansasii, Mycobacterium phlei, Mycobacterium scrofulaceum, Mycobacterium senegalense, Mycobacterium simiae, Mycobacterium thermoresistible, and Mycobacterium xenopi.

- 44. (New) The composition of claim 31, that further comprises the 38 kilodalton antigen of M. tuberculosis.
- 45. (New) The composition of claim 32, that further comprises the 38 kilodalton antigen of M. tuberculosis.
- 46. (New) The isolated polypeptide of claim 28, wherein the polypeptide has a molecular weight of from 5 to 100 kilodaltons.
- 47. (New) The isolated polypeptide of claim 28, wherein the polypeptide has a molecular weight of from 28 to 65 kilodaltons.